

=> d his

(FILE 'HOME' ENTERED AT 11:56:50 ON 18 MAY 2005)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHD,
BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB,
CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 11:57:08 ON 18 MAY 2005
SEA TATAAC? AND (GLUTAMA?(S)DEHYDROGENAS? OR CITRAT?(S)SYNTH? O

0* FILE FEDRIP
6 FILE GENBANK
1277 FILE USPATFULL
91 FILE USPAT2

L1 QUE TATAAC? AND (GLUTAMA?(S) DEHYDROGENAS? OR CITRAT?(S) SYNTH?

FILE 'GENBANK' ENTERED AT 12:02:33 ON 18 MAY 2005

L2 6 S TATAAC? AND (GLUTAMA?(S)DEHYDROGENAS? OR CITRAT?(S)SYNTH? OR
L3 6 DUP REM L2 (0 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 12:06:50 ON 18 MAY 2005

L4 1277 S TATAAC? AND (GLUTAMA?(S)DEHYDROGENAS? OR CITRAT?(S)SYNTH? OR
L5 280 S L4 AND (CORYNEF? OR CORYNEBACT? OR GLUTAMICU?)
L6 280 DUP REM L5 (0 DUPLICATES REMOVED)
L7 280 S L6
L8 280 S L6
L9 255 S L6 AND GLUTAMI?(S)ACID?
L10 255 DUP REM L9 (0 DUPLICATES REMOVED)

FILE 'USPAT2' ENTERED AT 12:21:30 ON 18 MAY 2005

L11 91 S TATAAC? AND (GLUTAMA?(S)DEHYDROGENAS? OR CITRAT?(S)SYNTH? OR
L12 17 S L1 AND (CORYNEF? OR CORYNEBACT? OR GLUTAMICU?)
L13 17 DUP REM L12 (0 DUPLICATES REMOVED)

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: ssspta1652dmr

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS 4 FEB 28 PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available
NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded
NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 10 MAR 22 KOREPAT now updated monthly; patent information enhanced
NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 12 MAR 22 PATDPASPC - New patent database available
NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 14 APR 04 EPFULL enhanced with additional patent information and new fields
NEWS 15 APR 04 EMBASE - Database reloaded and enhanced
NEWS 16 APR 18 New CAS Information Use Policies available online
NEWS 17 APR 25 Patent searching, including current-awareness alerts (SDIs), based on application date in CA/Cplus and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS 18 APR 28 Improved searching of U.S. Patent Classifications for U.S. patent records in CA/Cplus

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 12:31:43 ON 18 MAY 2005

=> file registry			
COST IN U.S. DOLLARS		SINCE FILE	TOTAL
		ENTRY	SESSION
FULL ESTIMATED COST		0.84	0.84

FILE 'REGISTRY' ENTERED AT 12:34:02 ON 18 MAY 2005
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 17 MAY 2005 HIGHEST RN 850605-77-5
 DICTIONARY FILE UPDATES: 17 MAY 2005 HIGHEST RN 850605-77-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

 *
 * The CA roles and document type information have been removed from *
 * the IDE default display format and the ED field has been added, *
 * effective March 20, 2005. A new display format, IDERL, is now *
 * available and contains the CA role and document type information. *
 *

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> s tataac/sqsn
L1      4352620 TATAAC/SQSN

=> s l1 and (glutamat?(s)dehydrogen? or citrat?(s)synth? or
isocittra?(s)dehydrogenas? or pyruva?(s)dehydrogenas? or aconitas?)
      10692 GLUTAMAT?
      56753 DEHYDROGEN?
      641 GLUTAMAT? (S) DEHYDROGEN?
      5173 CITRAT?
      140336 SYNTH?
      651 CITRAT? (S) SYNTH?
      919 ISOCITRA?
      56721 DEHYDROGENAS?
      690 ISOCITRA? (S) DEHYDROGENAS?
      6685 PYRUVA?
      56721 DEHYDROGENAS?
      942 PYRUVA? (S) DEHYDROGENAS?
      128 ACONITAS?
L2      122 L1 AND (GLUTAMAT? (S) DEHYDROGEN? OR CITRAT? (S) SYNTH? OR ISOCITRA?
      (S) DEHYDROGENAS? OR PYRUVA? (S) DEHYDROGENAS? OR ACONITAS?)

=> s l2 and (corynef? or corynebact? or glutamicum? or brevibac? or anthrobact? or
actinomyc? or bacter?)
      33 CORYNEF?
```

19652 CORYNEBACT?
12036 GLUTAMICUM?
664 BREVIBAC?
1 ANTHROBACT?
1655 ACTINOMYC?
107934 BACTER?
L3 3 L2 AND (CORYNEF? OR CORYNEBACT? OR GLUTAMICUM? OR BREVIBAC? OR ANTHROBACT? OR ACTINOMYC? OR BACTER?)

=> d ti 13 1-3
'TI' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG	- RN
SAM	- Index Name, MF, and structure - no RN
FIDE	- All substance data, except sequence data
IDE	- FIDE, but only 50 names
SQIDE	- IDE, plus sequence data
SQIDE3	- Same as SQIDE, but 3-letter amino acid codes are used
SQD	- Protein sequence data, includes RN
SQD3	- Same as SQD, but 3-letter amino acid codes are used
SQN	- Protein sequence name information, includes RN
CALC	- Table of calculated properties
EPROP	- Table of experimental properties
PROP	- EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS	-- Abstract
APPS	-- Application and Priority Information
BIB	-- CA Accession Number, plus Bibliographic Data
CAN	-- CA Accession Number
CBIB	-- CA Accession Number, plus Bibliographic Data (compressed)
IND	-- Index Data
IPC	-- International Patent Classification
PATS	-- PI, SO
STD	-- BIB, IPC, and NCL
IABS	-- ABS, indented, with text labels
IBIB	-- BIB, indented, with text labels
ISTD	-- STD format, indented
OBIB	----- AN, plus Bibliographic Data (original)
OIBIB	----- OBIB, indented with text labels
SBIB	----- BIB, no citations
SIBIB	----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):ide

L3 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN
RN 658658-13-0 REGISTRY
ED Entered STN: 04 Mar 2004
CN DNA (symbiont bacterium of Paederus fuscipes putative isocitrate dehydrogenase kinase/phosphatase gene plus putative dioxygenase gene plus gene pedA plus gene pedB plus gene pedC plus gene pedD plus gene pedE plus gene pedF plus gene pedG plus gene pedH plus putative acyl carrier protein gene plus putative DNA helicase gene plus protein gene plus putative RNA methylase gene plus protein gene plus putative aldehyde dehydrogenase gene fragment) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank AY059471 (Secondary GenBank Accession Number)
CN GenBank AY328023
FS NUCLEIC ACID SEQUENCE
MF Unspecified
CI MAN
SR GenBank
LC STN Files: CA, CAPLUS, GENBANK, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN
RN 503491-65-4 REGISTRY
ED Entered STN: 18 Apr 2003
CN DNA (synthetic Mycobacterium genitalium-derived glycolysis, pyruvate dehydrogenase, and pentose phosphate pathway gene cluster) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 8: PN: WO03025145 SEQID: 8 claimed DNA
FS NUCLEIC ACID SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN
RN 197201-87-9 REGISTRY
ED Entered STN: 12 Nov 1997
CN DNA (psychrophilic bacterium strain DS2-3R citrate synthase gene plus flanks) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank U85944
FS NUCLEIC ACID SEQUENCE
MF Unspecified
CI MAN
SR GenBank
LC STN Files: CA, CAPLUS, GENBANK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 12:31:43 ON 18 MAY 2005)

FILE 'REGISTRY' ENTERED AT 12:34:02 ON 18 MAY 2005

L1 4352620 S TATAAC/SQSN
L2 122 S L1 AND (GLUTAMAT? (S) DEHYDROGEN? OR CITRAT? (S) SYNTH? OR ISOCIT
L3 3 S L2 AND (CORYNEF? OR CORYNEBACT? OR GLUTAMICUM? OR BREVIBAC? O

=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	110.92	111.76

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 12:40:03 ON 18 MAY 2005